## **EAST Search History**

## EAST Search History (Prior Art)

| Ref# | Hits | Search Query   | DBs  | Default<br>Operator | Plurals | Time Stamp          |
|------|------|--|--|---------------------|---------|---------------------|
| L1   | 49   | (rake adj1 receiver) near7<br>comprising same (searcher)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR                  | ON      | 2009/11/15<br>08:57 |
| L2   | 2    | (rake adj1 receiver) near7<br>comprising same (searcher)<br>same demodulator   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR                  | ON      | 2009/11/15<br>08:58 |
| L3   | 0    | (((only or either) adj1 (even or odd or i or q) near8 (delay\$1 near2 (find\$2 or detect\$3 or search\$3))) and rake and @ad<="20030707"                   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR                  | ON      | 2009/11/15<br>09:13 |
| L4   | 249  | (even or odd or i or q) same<br>(demodulat\$3) same ((path or<br>delay) near1 (find\$3 or detect<br>\$3 or search\$3))                                     | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR                  | ON      | 2009/11/15<br>09:18 |
| L5   | 10   | ((even or odd or i or q) near5<br>(demodulat\$3)) same ((even<br>or odd or i or q) near5 (path or<br>delay) near1 (find\$3 or detect<br>\$3 or search\$3)) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR                  | ON      | 2009/11/15<br>09:19 |
| L6   | 432  | (even or odd or i or q) same<br>(demodulat\$3) same (((path<br>or delay) near1 (find\$3 or<br>detect\$0 r search\$3)) or<br>searcher)                      | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR                  | ON      | 2009/11/15<br>09:25 |
| L7   | 278  | 6 and @ad<="20030707"  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR                  | ON      | 2009/11/15<br>09:30 |
| L8   | 73   | 7 and 375/150,130,147,316.<br>ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR                  | ON      | 2009/11/15<br>09:34 |
| L9   | 58   | 7 and 370/320,342,345.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR                  | ON      | 2009/11/15<br>09:35 |

| L10 | 5   | [((only or either) adj1 (even or odd or i or q or real or imaginary) near8 (searcher or (((delay\$1 or path\$1) near2 (find\$2 or detect\$3 or search \$3)))) and rake and @ad<="20030707"                        | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/11/15<br>09:39 |
|-----|-----|---|--|----|----|---------------------|
| L11 | 5   | [((only or either or (one adj 1 or)) adj 1 (even or odd or i or or real or imaginary) near8 (searcher or ((delay\$1 or path \$1) near2 (find\$2 or detect\$3 or search\$3))) and rake and @ad<="20030707"         | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/11/15<br>09:39 |
| L12 | 3   | [((only or either or (one adj1 of)) adj1 (even or odd or i or q or in\$1phase or quadrature) near8 (searcher or ((delay\$1 or path\$1) near2 (find\$2 or detect\$3 or search\$3)))) and  rake and @ad<="20030707" | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/11/15<br>09:42 |
| L13 | 460 | (even or odd or i or q or in<br>\$1phase or quadrature) with<br>(demodulat\$3 or finger\$1)<br>same (((path or delay) near1<br>(find\$3 or detect\$3 or search<br>\$3)) or searcher)                              | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/11/15<br>09:46 |
| L14 | 310 | (even or odd or i or q or in<br>\$1phase or quadrature) with<br>(demodulat\$3) same (((path<br>or delay) near1 (find\$3 or<br>detect\$3 or search\$3)) or<br>searcher)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/11/15<br>09:47 |
| L15 | 213 | 14 and @ad<="20030707"  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/11/15<br>09:47 |
| L16 | 56  | 15 and 375/150,130,147,316. ods.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/11/15<br>09:48 |
| L17 | 410 | [(even or odd or i or q or in<br>\$1phase or (quadrature adj1<br>phase)) with (demodulat\$3 or<br>finger\$1) same (((path or<br>delay) near1 (find\$3 or detect<br>\$3 or search\$3)) or searcher)                | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/11/15<br>09:54 |
| L18 | 259 | (even or odd or i or q or in<br>\$1phase or (quadrature adj1<br>phase)) with (demodulat\$3)<br>same (((path or delay) near1<br>(find\$3 or detect\$3 or search<br>\$3)) or searcher)                              | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/11/15<br>09:54 |

| L19 | 183 | 18 and @ad<="20030707"   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/11/15<br>09:55 |
|-----|-----|--|--|----|-----|---------------------|
| L20 | 52  | 19 and 375/150,130,147,316. cols.                                      | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/11/15<br>09:55 |
| L21 | 29  | 19 and 370/320,342,345.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/11/15<br>10:06 |
| S1  | 111 | (only) adj1 (even or odd or i or<br>q) near3 (demodulat\$3)            | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/11/12<br>15:43 |
| S2  | 242 | (odd near1 (i or q)) near5<br>(even near1 (i or q))                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/11/12<br>15:51 |
| S3  | 229 | (odd near1 (i or q)) near5<br>(even near1 (i or q))                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | OFF | 2009/11/12<br>15:51 |
| S4  | 229 | (odd near1 ("i" or "q")) near5<br>(even near1 ("i" or "q"))            | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | OFF | 2009/11/12<br>15:52 |
| S5  | 5   | (odd near1 ("i")) near5 (even<br>near1 ("q"))                          | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | OFF | 2009/11/12<br>16:15 |
| S6  | 24  | (only) adj1 (even or odd or i or q) near5 (demodulat\$3)               | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/11/12<br>16:16 |
| S7  | 0   | (one adj1 of) adj1 (even or<br>odd or i or q) near5 (demodulat<br>\$3) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/11/12<br>16:16 |
| S8  | 12  | (either) adj1 (even or odd or i<br>or q) near5 (demodulat\$3)          | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/11/12<br>16:16 |
| S9  | 22  | (either) adj3 (even or odd or i<br>or q) near5 (demodulat\$3)          | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/11/12<br>16:21 |
| S10 | 1   | ("20020094017").PN.  | US-PGPUB;<br>USPAT; USOCR                          | OR | OFF | 2009/11/12<br>16:25 |

| S11 | 0  | (one adj1 of) adj1 (even or<br>odd or i or q) near5 (searcher)<br>and rake   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/11/12<br>16:27 |
|-----|----|--|--|----|----|---------------------|
| S12 | 45 | (only) adj2 (even or odd or i or<br>q) near5 (demodulat\$3)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/11/12<br>16:27 |
| S13 | 31 | (only) adj2 (even or odd or i or<br>q) near5 (demodulat\$3) and<br>@ad<="20030707"   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/11/12<br>16:27 |
| S14 | 32 | (only) adj2 (even or odd or i or<br>q) near5 (demodulat\$3 or<br>searcher) and<br>@ad<= "20030707"   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/11/12<br>16:28 |
| S15 | 9  | (either) adj3 (even or odd or i<br>or q) near5 (searcher)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/11/12<br>16:32 |
| S16 | 0  | ((even or odd or i or q) near5<br>demodulat\$3) and ((even or<br>odd or i or q) near5 sercher)<br>and rake   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/11/13<br>14:06 |
| S17 | 0  | ((even or odd or i or q) near8<br>demodulat\$3) and ((even or<br>odd or i or q) near5 sercher)<br>and rake   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/11/13<br>14:07 |
| S18 | 22 | ((even or odd or i or q) near5<br>demodulat\$3) and ((even or<br>odd or i or q) near5 searcher)<br>and rake  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/11/13<br>14:07 |
| S19 | 51 | ((even or odd or i or q) near5<br>demodulat\$3) and ((even or<br>odd or i or q) near8 searcher)<br>and rake  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/11/13<br>14:07 |
| S20 | 36 | ((even or odd or i or q) near5<br>demodulat\$3) and ((even or<br>odd or i or q) near8 searcher)<br>and rake and<br>@ad<="20030707"                           | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/11/13<br>14:08 |
| S21 | 2  | ((even or odd or i or q) near5<br>demodulat\$3) and ((even or<br>odd or i or q) near8 (path adj1<br>(find\$2 or detect\$3))) and rake<br>and @ad<="20030707" | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/11/13<br>14:23 |
| S22 | 2  | ((only or either) adj1 (even or odd or i or q) near8 (path\$1 near2 (find\$2 or detect\$3 or search\$3))) and rake and @ad<="20030707"                       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/11/13<br>14:25 |

| S23  | 2  | ((only or either) adj1 (even or odd or i or q) near8 (path\$1 near2 (find\$3 or detect\$3 or search\$3))) and rake and @ad<="20030707"                            | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/11/13<br>15:03 |
|------|----|---|--|----|-----|---------------------|
| \$24 | 3  | ((only or either) adj1 (even or odd or i or q) near8 (path\$1 near2 (find\$3 or detect\$3 or search\$3))) and @ad<= "20030707"                                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/11/13<br>15:03 |
| \$25 | 4  | ((only or either) adj1 (even or odd or i or q) near8 (path\$1 near2 (find\$3 or detect\$3 or search\$3 or determin\$3))) and @ad<="20030707"                      | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/11/13<br>15:17 |
| S26  | 22 | ((only or either or one) adj2<br>(even or odd or i or q) near8<br>(path\$1 near2 (find\$3 or detect<br>\$3 or search\$3 or determin<br>\$3))) and @ad<="20030707" | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/11/13<br>15:17 |
| S27  | 0  | ((just or exclusiv\$3) adj2<br>(even or odd or i or q) near8<br>(path\$1 near2 (find\$3 or detect<br>\$3 or search\$3 or determin<br>\$3))) and @ad<="20030707"   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/11/13<br>15:21 |
| S28  | 1  | ((only or either or one or exclusiv\$3 or just) adj1 (even or odd or i or q) near8 (searcher)) and rake and @ad<="20030707"                                       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/11/13<br>15:23 |
| S29  | 1  | ("20040004995").PN.   | US-PGPUB;<br>USPAT; USOCR                          | OR | OFF | 2009/11/13<br>15:24 |
| S30  | 1  | ("6108693").PN.   | US-PGPUB;<br>USPAT; USOCR                          | OR | OFF | 2009/11/13<br>15:28 |
| S31  | 1  | ("6356581").PN.   | US-PGPUB;<br>USPAT; USOCR                          | OR | OFF | 2009/11/13<br>15:29 |
| S32  | 1  | ("6496795").PN.   | US-PGPUB;<br>USPAT; USOCR                          | OR | OFF | 2009/11/13<br>15:53 |
| S33  | 1  | ("6603801").PN.   | US-PGPUB;<br>USPAT; USOCR                          | OR | OFF | 2009/11/13<br>15:54 |
| S34  | 1  | ("6647056").PN.   | US-PGPUB;<br>USPAT; USOOR                          | OR | OFF | 2009/11/13<br>15:55 |
| S35  | 1  | ("6650694").PN.   | US-PGPUB;<br>USPAT; USOCR                          | OR | OFF | 2009/11/13<br>15:56 |
| S36  | 1  | ("20030021334").PN.   | US-PGPUB;<br>USPAT; USOOR                          | OR | OFF | 2009/11/13<br>16:01 |
| S37  | 1  | ("20040004995").PN.   | US-PGPUB;<br>USPAT; USOCR                          | OR | OFF | 2009/11/13<br>16:07 |
| S38  | 1  | ("7406102").PN.   | US-PGPUB;<br>USPAT; USOCR                          | OR | OFF | 2009/11/13<br>16:29 |

| S39 | 1 | ("7596134").PN.           | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2009/11/13<br>16:31 |
|-----|---|---------------------------|---------------------------|----|-----|---------------------|
| S40 | 1 | ("20070033349").PN.       | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2009/11/13<br>16:33 |
| S41 | 1 | ("20070032264").PN.       | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2009/11/13<br>16:34 |
| S42 | 1 | ("20070030801").PN.       | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2009/11/13<br>16:35 |
| S43 | 1 | ("7593452").PN.           | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2009/11/13<br>16:38 |
| S44 | O | (12/408538). <b>A</b> PP. | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2009/11/13<br>16:40 |
| S45 | 1 | ("20040161029").PN.       | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2009/11/14<br>17:27 |

## 11/15/2009 11:49:30 AM

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